

Rat anti mouse CD127 (IL-7R α chain) (Azide-free & Low endotoxin)

ORDERING INFORMATION

Catalog Number:	gAP-0025
Size:	1.00 mg
Storage:	< -20° C
Immunogen:	Mouse CD127 (IL7R α chain) recom-protein
Ig Type:	Rat IgG2
Clone	AP-MAB0832
Endotoxin Level	< 0.002EU/μg IgG*
Applications:	FC & Blocking

Description: CD127 is a 60-90 kD type I transmembrane glycoprotein, also known as IL-7 receptor α chain or IL-7R α . It forms heterodimer with the common γ chain (γ c or CD132) which is shared with the receptors for IL-2, IL-4, IL-9, IL-13, IL-15, and IL-21. CD127 is expressed on immature B cells through early pre-B stage, thymocytes (except CD4/CD8 double positive thymocytes), peripheral T cells, and bone marrow stromal cells. CD127 has been reported to be an useful marker for identifying memory and effector T cells. The ligation of IL-7 with its receptor is important for stimulation of mature and immature T cells as well as immature B cells proliferation and development.

Preparation: This antibody was produced from a hybridoma (mouse myeloma fused with spleen cells from a rat immunized with **Mouse CD127 (IL7R α chain) recom-protein**).

Formulation: The IgG fraction of **culture supernatant** was purified by Protein A/G affinity chromatography and lyophilized from a 0.2 μ m filtered solution in phosphate-buffered saline (PBS, **Azide Free**).

Reconstitution: Reconstitute the antibody with sterile PBS and the reconstituted antibody can be aliquoted and stored frozen at < -20 for at least for six months without detectable loss of activity. **Avoid repeated freeze-thaw cycles**. Lyophilized samples are stable for 2 years from date of receipt when stored at -70°C.

***Endotoxin Level:** Extremely low level of LPS (< 0.002EU/ μ g IgG)

Application(s):

1. FC
2. Inhibiting the binding of CD127 and CD127R (IL-7 and IL-7R)
3. Blocking the binding of SB/199 to mouse CD127.

* The antibody is produced by in vitro culture and for Research Use Only